



**Figure S1: Alignment of BopA sequences of *B. bifidum* S17, NCIMB41171, PRL2010 and MIMBb75.** Conservation of the amino acid sequence is indicated by a blue-to-red colour scheme (blue low conservation; red high conservation). The cysteine residue of the lipobox motif at position 26, which is important for thioacylation, is highlighted with a red box.